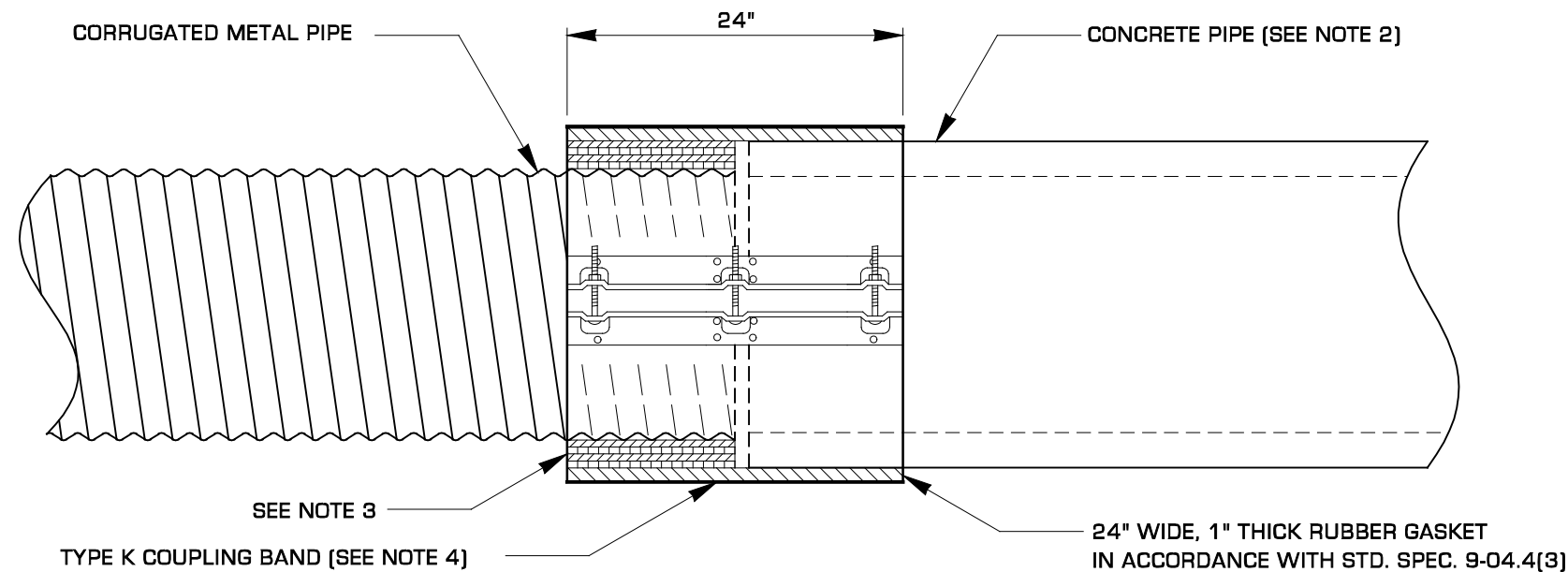


CONCRETE COLLAR OPTION



COUPLING BAND OPTION

NOTES

1. CONCRETE COLLAR WIDTH SHALL BE ONE HALF OF THE OUTSIDE PIPE DIAMETER OF THE LARGEST PIPE. THE MINIMUM COLLAR WIDTH SHALL BE 12". CONCRETE COLLARS MAY BE USED WITH ALL PIPE MATERIALS AND DIAMETERS. THE CONCRETE COLLAR OPTION SHALL ONLY BE USED TO EXTEND EXISTING PIPES.
2. WHEN A COUPLING BAND CONNECTION REQUIRES ATTACHING A BELL END OF A CONCRETE PIPE, THE BELL END OF THE PIPE SHALL BE REMOVED BEFORE THE CONNECTION IS INSTALLED.
3. INCREASE THE OUTSIDE DIAMETER OF THE METAL PIPE TO MATCH THE OUTSIDE DIAMETER OF THE CONCRETE PIPE WITH 12" WIDE RUBBER GASKETS, THICKNESS AS REQUIRED. RUBBER GASKETS SHALL BE IN ACCORDANCE WITH SECTION 9-04.4(3) OF THE STANDARD SPECIFICATIONS.
4. USE A FLAT TYPE K COUPLING BAND. TYPE K COUPLING BANDS WITH DIMPLES ARE NOT ALLOWED FOR THE INSTALLATION DETAIL SHOWN. THE COUPLING BAND OPTION SHALL ONLY BE USED FOR EXTENDING EXISTING PIPES THAT HAVE AN INSIDE DIAMETER OF 36" OR LESS.
5. STEEL WELDED WIRE FABRIC SHALL BE IN ACCORDANCE WITH SECTION 9-07.7 OF THE STANDARD SPECIFICATIONS. INSTALL TWO WRAPS FOR SIZE 6 x 6 W2.1 x W2.1 [8 GAGE]
6 x 6 W2.9 x W2.9 [6 GAGE]
4 x 4 W2.9 x W2.9 [6 GAGE]
4 x 4 W4.0 x W4.0 [4 GAGE]



CONNECTION DETAILS FOR
DISSIMILAR CULVERT PIPE
STANDARD PLAN B-28

NOTE: THIS PLAN IS NOT A LEGAL ENGINEERING DOCUMENT BUT AN ELECTRONIC DUPLICATE. THE ORIGINAL, SIGNED BY THE ENGINEER AND APPROVED FOR PUBLICATION, IS KEPT ON FILE AT THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION. A COPY MAY BE OBTAINED UPON REQUEST.			APPROVED FOR PUBLICATION	
10-99		ADDED COUPLING BAND OPTION, REVISED WIRE FABRIC SIZES.	TWS	10-06-99
DATE	REVISION	BY	DEPUTY STATE DESIGN ENGINEER WASHINGTON STATE DEPARTMENT OF TRANSPORTATION OLYMPIA, WASHINGTON	